

Index Frontier 5 Plus



A registered index-linked annuity
from MassMutual Ascend Life Insurance Company

RATES EFFECTIVE:

FOR TERMS STARTING ON:

12/07/2024 - 12/20/2024

12/20/2024

To see newly added feature and strategy availability by state, visit MMAscendConnect.com/IF5PlusApprovals.

Purchase Payments \$250,000 and over	S&P 500 Index	iShares MSCI EAFE ETF	iShares U.S. Real Estate ETF	SPDR Gold Shares ETF	First Trust Barclays Edge Index
1-Year					
10% Buffer with Cap	10.75%				13.75%
-10% Floor with Cap	11.00%	13.00%	18.00%	21.00%	

Declared Rate: 3.70%

Purchase Payments less than \$250k	S&P 500 Index	iShares MSCI EAFE ETF	iShares U.S. Real Estate ETF	SPDR Gold Shares ETF	First Trust Barclays Edge Index
1-Year					
10% Buffer with Cap	10.50%				13.50%
-10% Floor with Cap	10.00%	12.00%	17.00%	20.00%	

Declared Rate: 3.60%

Available strategies may vary by Broker/Dealer and by state. Please talk with your financial professional to determine the strategies available.

State Approvals and Variations: Index Frontier 5 Plus is not available in MO, NY, OR, PA, PR.

The Declared Rate Strategy is not available in MO.

Strategies with a 5-year term are only available for terms beginning in the first contract year.

Extended Care and Terminal Illness waivers not available in MA. Residents are only permitted to purchase annuity products within their resident state in MN and UT.

The Index Frontier 5 Plus can only be sold through a Broker/Dealer that is contracted with MassMutual Ascend Life Insurance CompanySM and MM Ascend Life Investors Services, LLC. This material must be preceded or accompanied by a prospectus for MassMutual Ascend's Index Frontier 5 Plus. The prospectus contains important information about the Index Frontier 5 Plus annuity and MassMutual Ascend. Read it carefully before you purchase an Index Frontier 5 Plus contract. To obtain a copy of the prospectus, please visit MassMutualAscend.com/RILArates.

MassMutual AscendSM is not an investment adviser and the information provided in this document is not investment advice. You should consult your investment professional for advice based on your personal circumstances and financial situation.

Declared rates and indexed strategy caps and upside participation rates are current as of the date shown and are subject to change at any time. An indexed strategy's return is based, in part, on the change in the value of the applicable index or exchange-traded fund. For each indexed strategy that we currently offer, any positive return for a term is subject to the applicable cap and upside participation rate for that term. These caps and upside participation rates may vary from term to term. For current strategies, the cap for a term will never be less than 1% and the upside participation rate for a term will never be less than 5%. Future indexed strategies could offer different minimum caps and participation rates. For each indexed strategy that we currently offer, any negative return for a term is limited by a 50% downside participation rate or a -10% floor. Future indexed strategies could offer different downside participation rates and floors.

Each indexed strategy provides returns based, in part, on the change in the price of a specific Index or ETF: the S&P 500[®] Index (SPX), the iShares MSCI EAFE ETF (EFA), the iShares U.S. Real Estate ETF (IYR), the First Trust Barclays Edge Index (FTEDGE7) or the SPDR Gold Shares ETF (GLD). The price change does not include dividends that might be paid on the underlying investments of the Index or ETF.

Strategies linked to the First Trust Barclays Edge Index provide returns based, in part, on the change in net asset value of the underlying investments of the Index. The net asset value change includes dividends that might be paid on the underlying investments of the Index.

The First Trust Barclays Edge Index seeks to provide equity and fixed income exposure through a blend of the Capital Strength Index and Value Line Dividend Index and Barclays' US 2-year Treasury Futures, 5-year Treasury Futures and 10-year Note Futures Indexes while aiming to control risk by maintaining a volatility target at or below 7%. Since the index is on an excess return basis (i.e., it returns the index performance in excess of risk-free rates), the risk free return is deducted from the equity underliers. The risk free rate used in this calculation is the U.S. Fed funds Rate published by the Federal Reserve of New York (ticker: FEDL01) for each day divided by 360. No such adjustment is needed to the US Treasury futures indexes as these securities returns are naturally on an excess return basis.

S&P 500 refers to the S&P 500 Price Return Index (SPX) and the strategies linked to an ETF are based on the change in closing price and do not include dividends. For more information, visit us.spindices.com (keyword SPX). SPDR Gold refers to the SPDR Gold Shares ETF (GLD). For more information, visit spdrgoldshares.com/usa. iShares U.S. Real Estate refers to iShares US Real Estate ETF (IYR). iShares MSCI EAFE refers to iShares MSCI EAFE ETF (EFA). For more information on the iShares MSCI EAFE ETF and the iShares U.S. Real Estate ETF, visit iShares.com (ticker symbols IYR and EFA).

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